

Lake District National Park

Forecast valid from 00:00 on Friday 27 Jan 2023 until 23:59 on Saturday 28 Jan 2023

Forecast Issued on Thursday 26 Jan 2023 at 12:17

Confidence: High confidence for settled conditions for the start of the period with cold conditions persisting. Poor visibility may become a hazard on Friday and Saturday with the risk of extensive mist and fog or freezing fog. Turning milder for a time on Sunday but lower confidence around the timing of milder air arriving.

Headline for Friday 27 Jan 2023: Dry with some bright spells, perhaps some early mist and fog.

Mountain weather hazards on Friday 27 Jan 2023

Blizzards

No Likelihood

Heavy persistent snow

No Likelihood

Storm force winds

No Likelihood

Gales

No Likelihood

Severe chill effect

Low Likelihood

Poor visibility

Low Likelihood

Thunderstorms

No Likelihood

Heavy persistent rain

No Likelihood

Strong sunlight

No Likelihood

Weather and chance of precipitation at 800m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
							
Mist	Fog	Mist	Mist	Cloudy	Cloudy	Fog	Fog
Precipitation probability							
10%	10%	10%	10%	10%	10%	10%	10%

Forecast for Friday 27 Jan 2023

Weather: Mostly dry overnight but mist and fog, perhaps freezing fog patches will form readily especially around dawn when winds are light, a frost is also expected. Any mist and fog will clear during the morning with cloud lifting above most summits and a dry and bright afternoon is expected with some sunny intervals. Mist and fog patches are likely to reform during the evening despite fresh southwesterly winds.

Chance of cloud-free hill tops above 800m: 50% rising to 80% as early mist and fog lifts.

Low cloud and visibility: Layers of scattered cloud above 500m are likely to affect the fells in the early morning with mist and fog lingering. Eastern fells are more likely to be affected with many of the western hills cloud free all day. Visibility will be moderate or poor in mist and fog but as this lifts and clears visibility will become very good for much of the day. Visibility is likely to be hazy from mid afternoon and turning moderate or poor as mist and fog reforms later.

Forecast for Friday 27 Jan 2023

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	18/22 NE	14/18 NE	7/10 E	3/5 SE	6/9 S	10/13 SW	13/16 SW	12/16 SW	10/14 SW
600	9/13 NE	10/15 NE	6/9 E	4/6 SE	7/9 S	10/14 SW	9/13 SW	10/14 SW	10/14 SW
300	3/13 N	4/11 NE	4/8 NE	3/5 S	4/7 S	5/10 SW	4/10 SW	4/11 SW	3/10 SW
Valley	6/14 N	7/14 NE	7/9 NE	2/4 N	2/4 SW	4/7 SW	3/7 SW	4/9 SW	4/9 SW

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	-2/-8	-2/-8	-2/-6	-2/-4	-1/-5	-2/-7	-2/-7	-2/-8	-2/-6
600	-0/-5	-1/-5	-1/-4	-0/-2	1/-2	0/-4	-0/-4	-1/-5	-0/-4
300	1/-0	1/-1	0/-2	1/-0	3/1	3/1	1/-0	1/-1	2/-0
Valley	4/1	3/0	3/0	3/2	5/4	5/3	4/2	4/2	4/2
Freezing Level*	600m	600m	700m	600m	600m	600m	700m	700m	700m

*Level above which ground is expected to be frozen/snow is expected to settle.

Meteorologist's View

A dry settled day with some sunshine, feeling cold with a significant wind chill in the fresh winds later. The main hazards are mist and fog affecting visibility at times.

Forecast for Saturday 28 Jan 2023

Weather: Remaining cold and mist and fog/freezing fog likely to be quite extensive at first on Saturday morning with some drizzle or light rain at times. Cloud lifting and some bright spells for later in the day but further mist and fog a possibility by the evening.

Maximum wind: Light westerly winds 10-15mph.

Chance of cloud-free hill tops above 800m: 40% rising to 60% during the afternoon as mist and fog clears from the north.

Low cloud and visibility: Broken low cloud layers above 400m are likely with poor general visibility expected in fog patches and drizzle, visibility may be very poor at times where the fog is most prevalent. Improving during the afternoon with some good visibility likely for most places for a time. Cloud will become patchy above 600m in the afternoon before lowering and thickening again in the evening time.

Temperature: **Valleys:** Plus 1 rising to 4 Celsius.
At 800m: Minus 1 Celsius rising to plus 2 Celsius.
Freezing level: 800m rising to 1400m for a time.

Ground Conditions Supplement

Date: Thursday 26 January 2023 Location: Helvellyn summit at 13:51 Full report: A dry and clear day with light winds and cooler temperatures compared to earlier in the week. The majority of the fells are snow-free, however, areas of snow are still present, predominantly on north and east-facing slopes above 800m. In these areas accumulations remain up to knee-deep in-depth and cornices (snow overhangs) are present around corrie rims. All the snow encountered today was sugary but became noticeably firmer once above the freezing level (roughly 850m), and it was particularly hard and icy in areas where it has been compressed by walkers' feet and refrozen. With a cold night in store, conditions are likely to be similar tomorrow and any snow is likely to remain hard and icy. The Helvellyn edges are a mixture of exposed rock and snow, and anyone considering these or similar steep and exposed routes tomorrow are advised to carry an ice axe and crampons/microspikes. Full winter clothing (warm and waterproof) including hats and gloves, as well as a map, compass, and headtorch, are all essential for anyone venturing into the high fells. Temperature: minus 0.8 C, Maximum wind speed 9.4 mph, Wind chill: minus 4.5 C, Average wind speed: 4.6 mph
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